



To SAI Subcommittee
GAT Working Group

Date July 26, 2018

From Peter Grau
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Reference 18-999/SMA-082 lth

Subject **Meeting Announcement**
Global Aircraft Tracking (GAT) Working Group

Chairman **Chuck Adler, Boeing (Charles.O.Adler@Boeing.com)**

When **October 24-26, 2018**
Wednesday through Friday from 0900 to 1700

Host Inmarsat is hosting the GAT Working Group meeting in Honolulu, Hawaii.

Where Meeting Location
Moana Surfrider, a Westin Hotel
2365 Kalakaua Avenue
Honolulu, Hawaii 96815
United States

Point of Contact
Contact: Hannes Griebel, Inmarsat
email: hannes.griebel@inmarsat.com
tel: +44 (0) 20 7728 1095 (office)
+44 (0) 7540 163066 (mobile)

Please provide the following information no later than close of business Friday,
October 5, 2018 London time to Hannes Griebel:

- Name
- Affiliation
- Contact e-mail address
- Contact mobile telephone number
- I will have a rental car: Yes/No

Inmarsat is offering a tour of the Paumalu Satellite Access Station (SAS). Please provide the following information to Hannes Griebel as well:

- Completed Attachment 1

- I want to tour the satellite access station: Yes/No
- I will drive to the Inmarsat SAS: Yes/No
- I will require transportation to the Inmarsat SAS: Yes/No

Note: Four participants must complete Attachment 1 and email it to Hannes Griebel by **October 5, 2018**. **Advanced preregistration is mandatory**, or site access cannot be granted! Please bring Photo ID.

Hotel

The Moana Surfrider is the venue hotel. A preferential rate of \$285 per night has been established for participants in the Global Aircraft Tracking Working Group. Please reference Inmarsat 2018 when phoning in reservations for discounted rates. The reservation deadline for the special rate is **September 23, 2018**. After that date, normal rates will apply. Please use the following link to reserve your hotel room:

<https://www.starwoodmeeting.com/Book/inmarsatglobaltd2018>

Moana Surfrider, Waikiki Beach
2365 Kalakaua Avenue
Honolulu, Hawaii 96815
(808) 922-3111

Instruction

Please notify the Industry Activities staff of your intention to attend by registering online before **Friday, October 12** at: <http://www.aviation-ia.com/events/>.

The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Chuck Adler or Peter Grau. The agenda will be finalized one week prior to the meeting.

Activity Scope

The goal of the GAT Working Group is to prepare standards applicable to the ICAO Global Aeronautical Distress and Safety System (GADSS). These are intended to positively identify and track an aircraft with minimal impact on new production aircraft as well as legacy aircraft retrofit.

Meeting Objectives

Global Aircraft Tracking Standards

The AEEC has formed the Global Aircraft Tracking (GAT) Working Group to prepare standards applicable to the ICAO Global Aeronautical Distress and Safety System (GADSS). The APIMs are as follows:

APIM 17-004 – Autonomous Distress Tracking (ADT)

APIM 17-005 – Timely Recovery of Flight Data (TRFD)

Several technologies may contribute to positive aircraft tracking. This includes ground-based and space-based ADS-B, satcom, ELT-DT, mixed technologies, and others.

ARINC Project Paper 680: Autonomous Distress Tracking (ADT) Requirements and Architectures draft will be reviewed. The next steps are to finalize the characteristic that will specify equipment, interface, and aircraft installation requirements as well as ground system requirements.

ICAO Global Aeronautical Distress and Safety System (GADSS)

ICAO SARPS will require GADSS on certain production aircraft with a gross weight greater than 27,000 kg.

- Aircraft Tracking – All flight phases – 15-minute interval
- Autonomous Distress Tracking – High data rates

Technologies for consideration include Mode S, ADS-B, ADS-C, including satcom and VHF datalink.

APIM 17-004 – Autonomous Distress Tracking (ADT)

The goal is to define system requirements, equipment architectures, and aircraft installation standards for equipment capable of meeting ICAO GADSS requirements potentially including:

- Satcom-based tracker
- Space-based Automatic Dependent Surveillance – Broadcast (ADS-B)
- Fixed Emergency Locator Transmitter – Distress Tracker (ELT-DT)
- Dissimilar-Complementary Architectures

Airlines are expected to benefit by being able to meet the forthcoming worldwide Autonomous Distress Tracking mandates in the most effective manner possible.

APIM 17-005 – Timely Recovery of Flight Data (TRFD)

Work on APIM 17-005 is anticipated as part of the overall work package and will commence at this meeting. The Global Aircraft Tracking Working Group is expected to define system requirements, equipment architectures, and aircraft installation standards for equipment capable of meeting ICAO TRFD requirements potentially including:

- Automatic Deployable Flight Recorder (ADFR) installed on the aircraft which is capable of automatically deploying from the aircraft
- Flight Data Streaming (FDS) – the ability to stream flight data from the airplane while in flight
- Airlines are expected to benefit by being able to meet the forthcoming worldwide TRFD mandates in the most effective manner possible.

Travel Information

Daniel K. Inouye International Airport (**HNL**) serves Oahu and the other Hawaiian Islands. The Moana Surfrider is located ten miles from Honolulu International Airport.

By Taxi: Travel time is approximately 30 minutes and the fare will be in the range of \$40.

Attachment 1



Paumalu Site Visit Registration Form

Please fill in shaded area and return to Inmarsat Paumalu administration. Thank you.

Please provide a copy of valid government issued ID card for US citizens or passport for Non US citizens

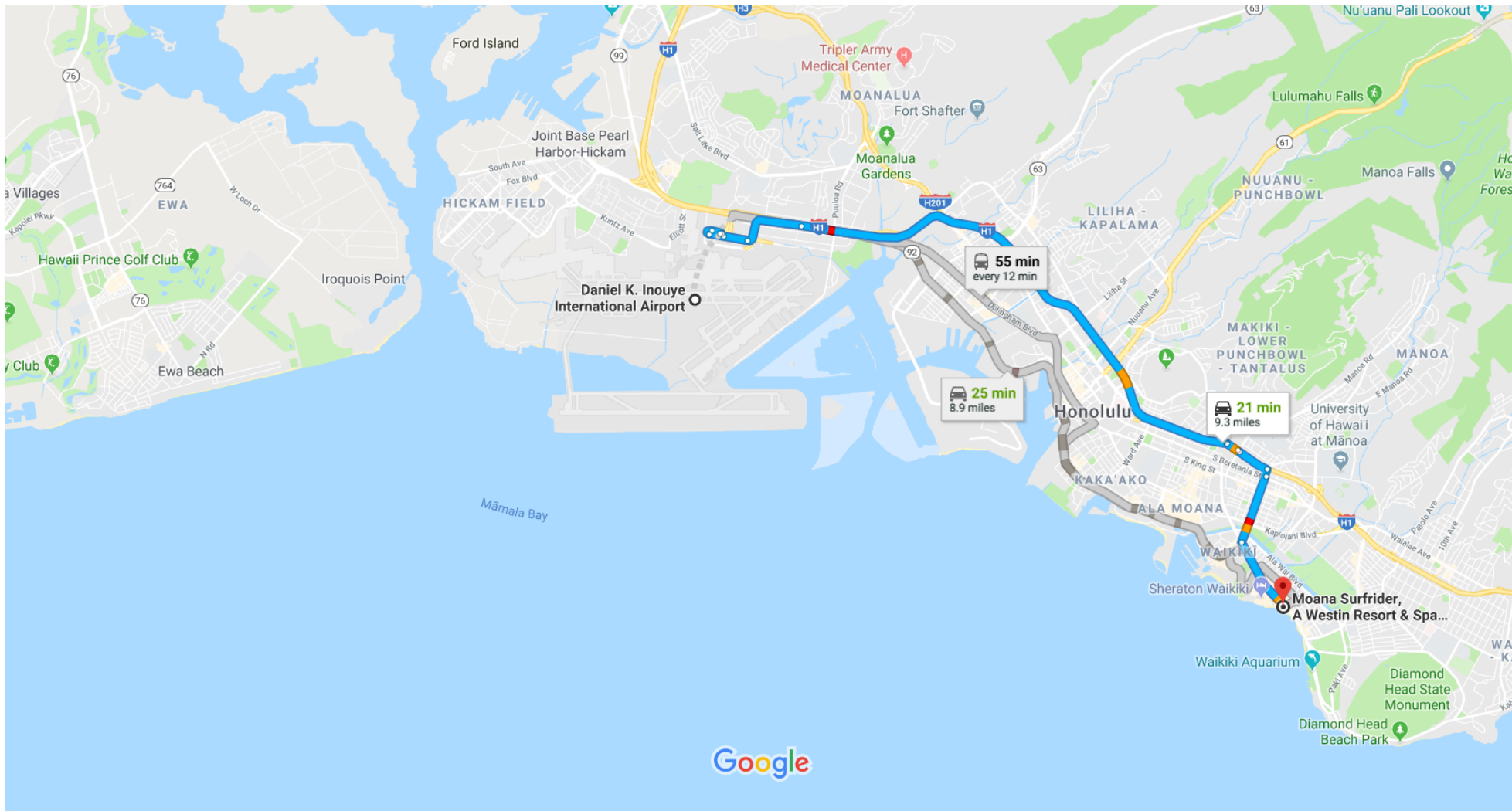
1	Last Name	
2	First Name	
3	Date and Place of Birth	
4	Citizenship	
5	Passport No. (If Non-US citizen)	
6	Country of Issuance	
7	Company	
8	Position	
9	Scope of the Visit	
10	Contract or Program	
11	Date of the visit	
12	Duration	
13	After hours access request	
14	Comments	

Inmarsat Authorization:	
Date	

Attachment 2



Daniel K. Inouye International Airport to Moana Surfrider, A Westin Resort & Spa, Waikiki Beach Drive 9.3 miles, 21 min



Map data ©2018 Google 1 mi